



BEXIS 2 Module:

Graphical Research Area Management

Towards web mapping integration

Objective

The module supports fieldwork coordination by providing functions to generate Cartesian maps of study sites as plots and subplots. It allows planning of the study design and to keep track of the fieldwork history. Additionally, it simplifies orientation during fieldwork.

Current stage

- Single or massive online CRUD*
- Plots as plane figure
- Subplots as geometry
- Online visualization
- Polar coordinates calculation
- Download as PDF with legend

Name	Geometry Type	Coordinate	Coordinate Type	Line Width	Color	Description	Display	Edit	Archive	Delete
HEW1	POLYGON	10,12,12,14	xy	1						
HEW1	POLYGON	-10,31,10,11	xy	1						
HEW1	POLYGON	-21,31,11,21	xy	1						
HEW1	POLYGON	-47,-47,-37,-37	xy	1						
HEW1	POLYGON	-47,34,-37,44	xy	1						
HEW1	POLYGON	34,-47,44,-37	xy	1						
HEW1	POLYGON	-10,10,10,10	xy	1						
HEW1	LINESTRING	(45,5,42,5,37,1,31,4,24,1...	xy	8						
HEW1	LINESTRING	(45,7,44,7,41,5,38,34,4,30...	xy	8						
HEW1	POLYGON	10,19,15,24	xy	1						

Fig. 1: User interface to manage plots and subplots

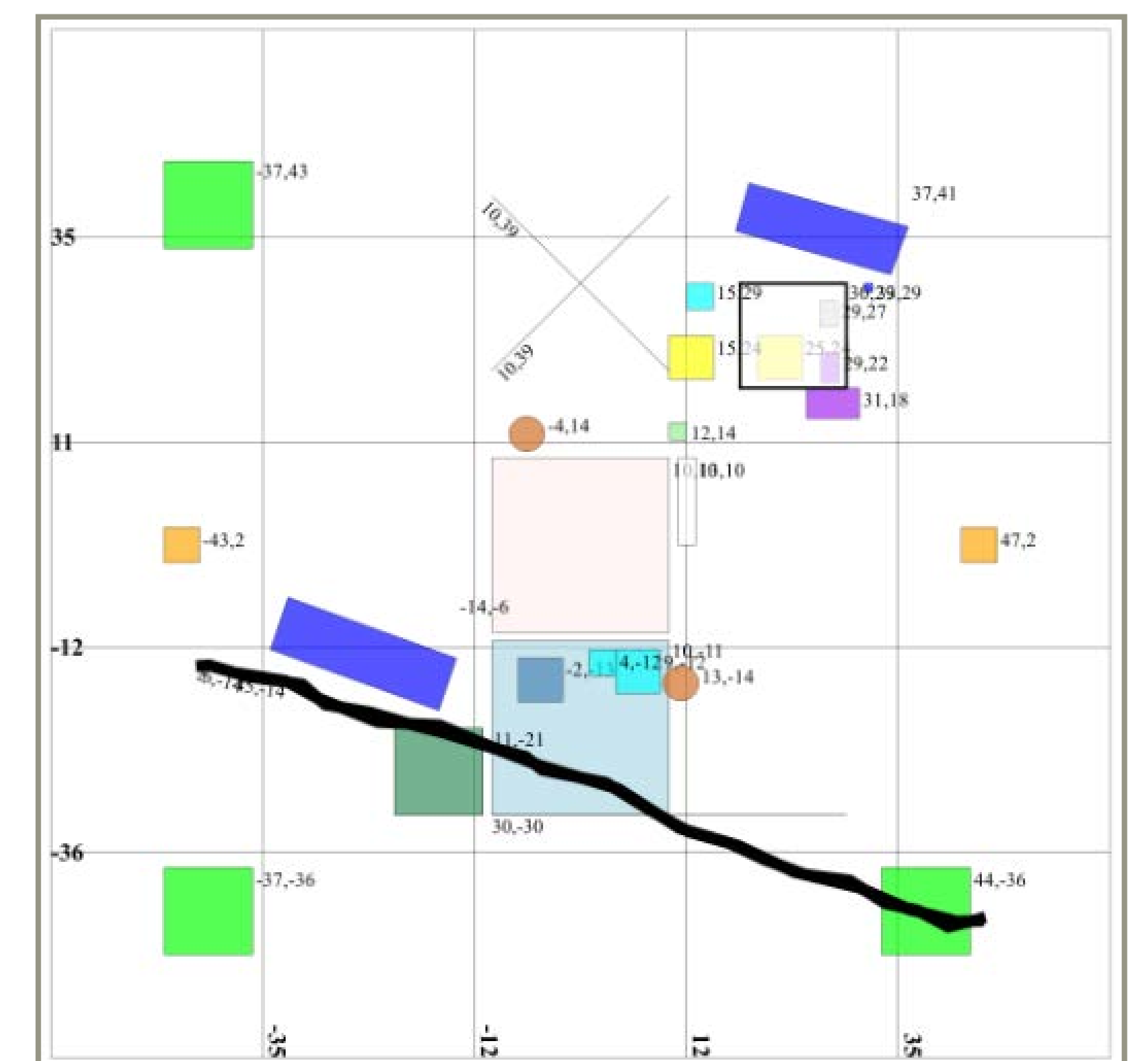


Fig. 2: Example of a study site (plot with many subplots)

Outlook

- Visualize on web map
- CRUD* via web map
- Interlink with datasets

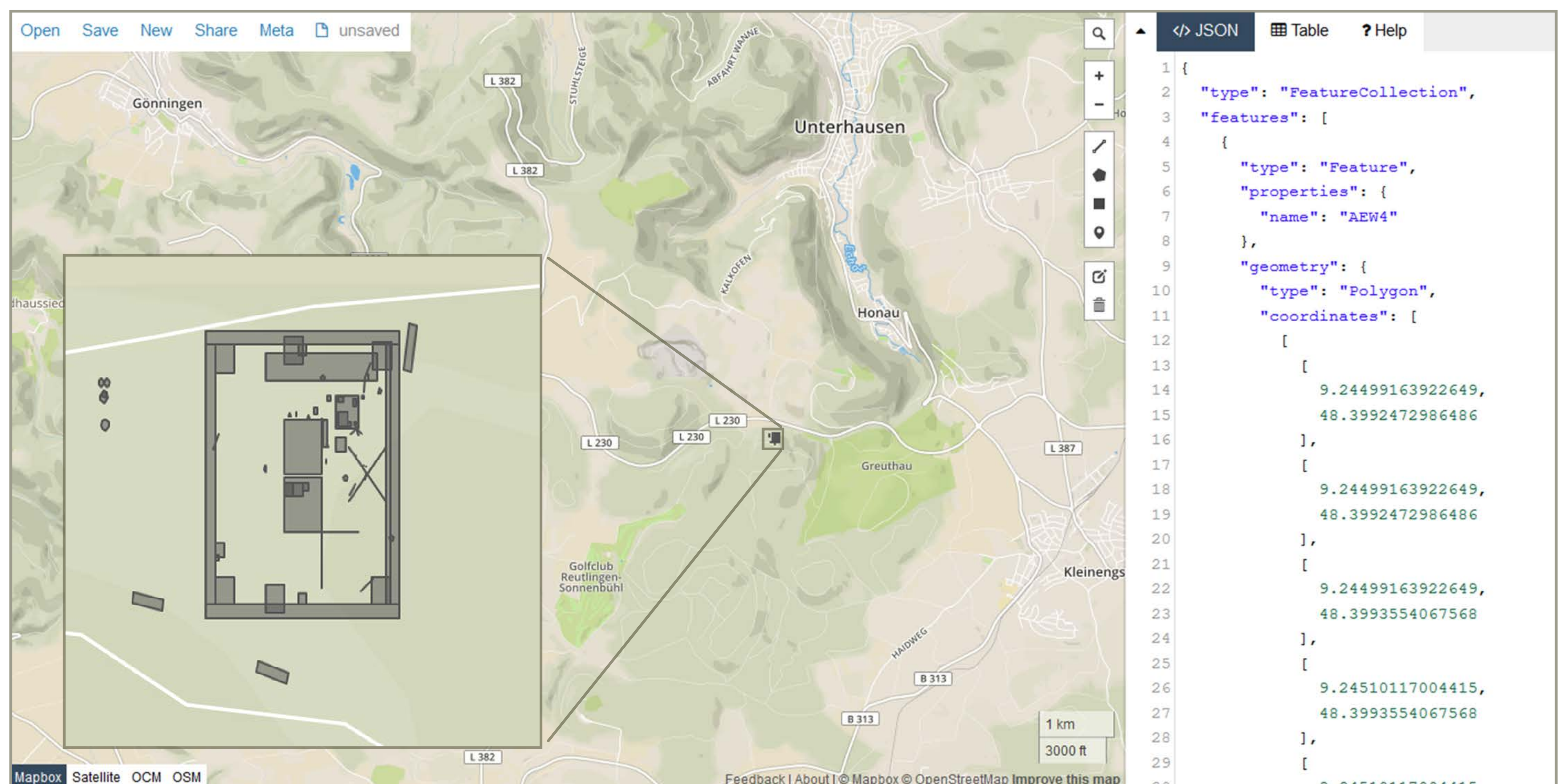


Fig. 3: Map display of a study site

Further modules:

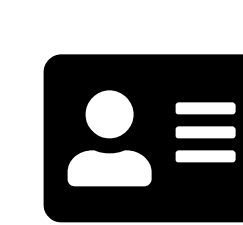
Modules developed by the Central Data Management Project of the Biodiversity Exploratories Project



Ressource Booking Management



Climate Data Integration



Event Registration



Document Upload



LUI Calculation Tool



Photo Gallery

* Create, Read, Update, and Delete Photo: Paul Magdon